

Comparisons of Job Characteristics

Focus Occupation: [Cartographers and Photogrammetrists \(17-1021\)](#)

Associated Occupation: [Urban and Regional Planners \(19-3051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 61

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Urban and Regional Planners (19-3051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
English Language	11.2	16.6	9.6	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	16.1	8.5	<<	Extensive education and/or training may be required
Law and Government	5.9	15.5	3.7	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.8	5.9	<<	Extensive education and/or training may be required
Geography	3.9	14.3	19.1	>>	Current knowledge level is likely more than sufficient
Transportation	4.6	13.7	3.4	<<	Extensive education and/or training may be required
Design	5.2	12.0	9.5	<	Expanded education and/or training may be required
Building and Construction	4.0	10.3	2.3	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	10.2	2.2	<<	Extensive education and/or training may be required
History and Archeology	2.6	10.0	2.7	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	9.4	2.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Cartographers and Photogrammetrists (17-1021)

Associated Occupation: Urban and Regional Planners (19-3051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Judgment and Decision Making	9.4	13.4	9.0	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	13.0	8.6	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	11.3	8.0	<<	Extensive development of skills in this area may be required
Persuasion	7.4	10.4	7.3	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	9.8	1.9	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	7.5	2.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Cartographers and Photogrammetrists (17-1021) Associated Occupation: Urban and Regional Planners (19-3051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Deductive Reasoning	10.6	13.6	11.0	<	Some improvement in abilities may be required
Speech Clarity	10.2	13.1	8.9	<<	Extensive improvement in abilities may be required
Written Expression	9.8	13.1	12.0	0	Current ability level may be sufficient
Speech Recognition	9.9	12.3	8.9	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	11.5	8.6	<<	Extensive improvement in abilities may be required
Visualization	7.5	10.6	9.1	<	Some improvement in abilities may be required
Originality	7.6	10.3	8.1	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	9.5	8.1	<	Some improvement in abilities may be required
Number Facility	6.3	9.1	7.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 77
Focus Occupation: Cartographers and Photogrammetrists (17-1021) Associated Occupation: Urban and Regional Planners (19-3051)		

Work Activities	Exclusivity of Activity
Develop plans for programs or projects	31
Draw maps or charts	69
Prepare technical reports or related documentation	22
Research property records	77
Understand property documents	77
Use geographical information system (GIS) software	72
Use spreadsheet software	18

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 81

Focus Occupation: Cartographers and Photogrammetrists (17-1021)
Associated Occupation: Urban and Regional Planners (19-3051)

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.